



## PATENT ABSTRACTS OF JAPAN

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## (54) COMMUNICATION PATH SETTING SYSTEM

## (57) Abstract:

**PURPOSE:** To automatically set a communication path by providing a line setting table classified by every node also with a frame transmission program and a line number setting program on each node, and transmitting a frame from a transmission origin node to a transmission destination node before performing communication.

**CONSTITUTION:** The transmission origin node A performs multi-address transmission of the frame for all connected lines when a system is started up. The node B receiving the frame checks the address area SA of the transmission origin node, and stores a communication port number C0 receiving the frame in the communication port of the transmission origin node A on the table, and performs a relay processing to perform the multi-address transmission of the frame to all connected lines. The nodes E and C also perform the similar relay processing as that of the node B, and

store communication port numbers C1 and C0 receiving the frame in the communication port of the transmission origin node A, respectively. Thus, the communication path can be set on the table.

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